

Fagprojektkatalog 27009 27010

Mette Voldby Larsen	metteb@cbs.dtu.dk	Bacteria, Whole Genome Sequencing, Antibiotic resistance, bacteriophages
Grace Shema Nzabonimpa	grace@cbs.dtu.dk	Chemical biology, docking, CNS diseases, pharmacogenomics
Kasper Jensen	kasjens@cbs.dtu.dk	text mining, diet, chemoinformatics
Sonny Kim Kjærulff	sonny@cbs.dtu.dk	Chemical biology, databases, drug side effects
Ulrik Plesner Jacobsen	plesner@cbs.dtu.dk	Chemical biology, databases, toxicity
Gitte Maegaard Knudsen Lone Gram	gmkn@bio.dtu.dk gram@bio.dtu.dk	Work with the foodborne pathogen <i>Listeria monocytogenes</i> and investigate how this bacteria response to antibiotics – both in lethal and no-lethal concentrations. Main interest is understanding the bacterias physiology during the exposure to different type of stress by using phenotypic experiments, gene expression and mutagenesis. * (13-1)
Christine Finnie	csf@bio.dtu.dk	Salt of the earth – can we develop salt tolerant crops? * (13-2)
Maher Abou Hachem	maha@bio.dtu.dk	Pre-/probiotics, biomass processing enzymes for green biotechnology
Jette Jakobsen Anette Bysted	jeja@food.dtu.dk anby@food.dtu.dk	Vitamins, vitamers, foods, bioavailability, analyses.
Susanne Jacobsen	sja@bio.dtu.dk	Pre-/probiotics, lactic acid bacteria, cereals, health, enzyme and protein chemistry, proteome analysis, molecular interactions, redox proteins
Kristian Fog Nielsen	kfn@bio.dtu.dk	Cykliske nukleotiders indflydelse på produktion af sekundære metabolitter og antibiotika i bakterier
Kristian Fog Nielsen	kfn@bio.dtu.dk	Målemetoder til cykliske nukleotider i bakterier

Jacob Bælum	jacbb@biosustain.dtu.dk	Next generation sequencing analysis in the context of metagenomics. Host microbiome interactions of for example vulture, koala, and oriental wasp, but also projects with environmental relevance within microbial remediation of manmade pollutants.
Shruti Dantoft	shrh@bio.dtu.dk	<i>Pediococcus pentosaceus</i> – engineering an expression system. *(13-3)
Lars Hellgren	lih@bio.dtu.dk	metabole sygdomme: lipid metabolisme, den tidlige ernærings betydning. Udvikling af lipidomicsmetoder til analyse af forandringer af lipidmetabolismen ved udvikling af metabole sygdomme
Karin Imbæk Starlit Peter Ruhdal Jensen	karim@bio.dtu.dk prj@bio.dtu.dk	Produktion af højere alkoholer i mælkesyrebakterier. *(13-4)
Torben Grotkjær Mariane Schmidt Lone Gram	torgro@bio.dtu.dk marsm@bio.dtu.dk gram@bio.dtu.dk	Betydning af dyrkningsbetingelser for vækst og antibiotikaproduktion hos marine bakterier. * (13-5)
Henrique Machado Mariane Schmidt Lone Gram	hemac@bio.dtu.dk marsm@bio.dtu.dk gram@bio.dtu.dk	Rekombinant produktion af industrielle enzymer fra akvatiske bakterier. *(13-6)
Mariane Schmidt Henrique Machado Lone Gram	marsm@bio.dtu.dk hemac@bio.dtu.dk gram@bio.dtu.dk	"Genome Mining": Fuld-genom sekvenser som værktøj til at udforske det antibiotiske potentiale hos marine bakterier. *(13-7)
Thomas Nordal Petersen	tnp@cbs.dtu.dk	Identify a set of protein features like frequency of amino acids, exposure and protein secondary structure for specific glycosyl hydrolase families (collaboration with NovoZymes). Use those features to train artificial neural networks with the aim to predict the melting temperature for the

		proteins of interest.
Kit Granby	kgra@food.dtu.dk	Mitigation of acrylamide in coffee using enzymatic treatment with asparaginase (Novozyme's enzyme acrylaway), Litterature study, experimental design and a small experiment
Susanne Jacobsen	sja@bio.dtu.dk	Vil du tage et øjeblikks proteinbillede? (Proteomanalyse) * (EPC-1)
Susanne Jacobsen	sja@bio.dtu.dk	Molekylære interaktioner i præbiotika/probiotika-systemer - Fokus på kulhydrat-præbiotika *(EPC-2)

* Detailed description available on wiki page